

PIPE JC34  
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PATENT & TRADEMARK OFFICE

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

For: MANUFACTURING METHOD  
OF LIQUID JET HEAD

October 10, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. A copy of each of the listed documents is enclosed.

The Examiner's attention is also directed to the following U.S. Application, a copy of which is enclosed:

<u>Application Number</u>	<u>Inventor(s)</u>	<u>Filing Date</u>	<u>Group Art Unit</u>	<u>Status</u>
10/619,004	Hidehito Takayama Akihiro Mouri Nobuhito Yamaguchi Toshihiro Fukasaka	July 15, 2003	Unassigned	Pending

Japanese Patent Application Laid-Open Nos. 54-161935, 61-185455, 61-249768, 4-10940 and 4-10941 are discussed at page 2 of the specification and may be relevant for the reasons discussed therein.

Japanese Patent Application Laid-Open No. 10-286953 is discussed at pages 5 and 6 of the specification and may be relevant for the reasons discussed therein.

Japanese Patent Application Laid-Open Nos. 60-161973, 63-221121, 64-9216 and 2-140219 are discussed at page 16 of the specification and may be relevant for the reasons discussed therein.

The article entitled "New Photoinitiators for Cationic Polymerization" is discussed at page 17 and may be relevant for the reasons discussed therein.

U.S. Patent No. 4,565,859 is a U.S. counterpart to Japanese Patent Application Laid-Open No. 60-161973.

U.S. Patent No. 6,347,862 is a U.S. counterpart to PCT Application No. WO 98/46429 and Japanese Patent Application Laid-Open No. 10-286953.

U.S. Patent No. 5,218,376 is a U.S. counterpart to Japanese Patent Application Laid-Open Nos. 4-10940 and 4-10941.

Abstracts for Japanese Patent Application Laid-Open Nos. 54-161935, 60-161973, 61-185455, 61-249768, 63-221121, 64-9216, 2-140219, 4-10940, 4-10941 and 10-286953 and PCT Application No. WO 98/46429 are enclosed for the Examiner's convenience.

#### FORMAL MATTERS


In accordance with 37 C.F.R. §1.97(b), since this Information Disclosure Statement is being filed within three months of the filing date of the subject application, neither a statement under 37 C.F.R. §1.97(e) nor payment of a fee is required for consideration of this Information Disclosure Statement.

#### CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that an initialed copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

  
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FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY DOCKET NO. <b>03500.017404</b>		APPLICATION NO. <b>10/618,676</b>	
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)  October 10, 2003			APPLICANT <b>AKIHIRO MOURI ET AL.</b>			
			FILING DATE <b>July 15, 2003</b>		GROUP <b>Unassigned</b>	

U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,565,859	01/1986	Murai et al.			
	5,218,376	06/1993	Asai			
	5,478,606	12/1995	Ohkuma et al.			
	6,347,862	02/2002	Kanno et al.			

FOREIGN PATENT DOCUMENTS						
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT	
JP 54-161935	12/1979	Japan			Abstract	
JP 60-161973	08/1985	Japan			Abstract*	
JP 61-185455	08/1986	Japan			Abstract	
JP 61-249768	11/1986	Japan			Abstract	
JP 63-221121	09/1988	Japan			Abstract	
JP 64-9216	01/1989	Japan			Abstract	
JP 2-140219	05/1990	Japan			Abstract	
JP 4-10940	01/1992	Japan			Abstract*	
JP 4-10941	01/1992	Japan			Abstract*	
JP 10-286953	10/1998	Japan			Abstract*	
WO 98/46429	10/1998	PCT			Abstract*	

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)	
	J.V. Crivello et al. "New Photoinitiators for Cationic Polymerization," Journal of Polymer Science, Polymer Symposium No. 56 (held June 20-24, 1976), pgs. 383-395 (published 1977).

<b>*Note: U.S. counterpart patents also submitted (see text of IDS).</b>	
EXAMINER	DATE CONSIDERED